

In the Claims

1. (Currently Amended) A multifunction meter comprising:
a display unit having a plurality of individual displays thereon;
a first input configured to receive feedback from an engine configured to deliver power to a power converter;
a second input configured to receive feedback from the power converter, the power converter configured to deliver a welding-type power to a welding-type apparatus; ~~and~~
a processing unit connected to the display unit, the first input, and the second input, and configured to process the feedback from the engine and the feedback from the power converter and digitally display data indicative of engine operation and power output of the power converter on the display unit; and
wherein each of the individual displays is configured to display at least the data indicative of engine operation and the data indicative of power output of the power converter.
2. (Original) The multifunction meter of claim 1 further comprising at least one mode of selection button connected to the processing unit to regulate the display of data.
3. (Original) The multifunction meter of claim 1 wherein the multifunction meter is electrically connected to an engine ignition switch.
4. (Original) The multifunction meter of claim 1 wherein the data displayed includes at least one of voltage and current of the welding-type power.
5. (Original) The multifunction meter of claim 1 wherein the data displayed includes at least one of an hour meter, engine temperature, engine oil level, and engine RPM.
6. (Original) The multifunction meter of claim 1 wherein the processing unit is further configured to store at least one of a unit serial number, a software revision number, and a date of manufacture.
7. (Currently Amended) The multifunction meter of claim 1 wherein the processing unit is further configured to ~~display error codes~~ determine if the feedback from the engine and the power converter is outside of a pre-determined threshold range and, if the feedback is outside of

the pre-determined threshold range, interrupt the displaying of the data indicative of engine operation and the data indicative of power output of the power converter to display an error code.

8. (Original) The multifunction meter of claim 1 wherein the processing unit is further configured to display an hours of operation data and maintenance data.

9. (Original) The multifunction meter of claim 8 wherein the hours of operation data is resettable.

10. (Original) The multifunction meter of claim 1 wherein the display data is accessible independent of an engine running condition.

11. (Original) The multifunction meter of claim 1 wherein the processing unit is further configured to display data of at least one accessory receptacle.

12. (Currently Amended) A welding-type apparatus comprising:
an engine;
a mechanical to electrical power converter connected to the engine and configured to generate a power signal suitable for welding processes;
a control panel configured to operate the engine and mechanical to electrical power converter; and
a multifunction meter imposed on the control panel and configured to display engine condition data and power signal data; and
wherein the multifunction meter further comprises meter controls configured to toggle the displaying of the engine condition data and the power signal data.

13. (Original) The welding-type apparatus of claim 12 wherein the power signal data includes at least one of voltage and current.

14. (Original) The welding-type apparatus of claim 12 wherein the engine condition data includes at least one of hours of operation, RPM, temperature, and oil level.

15. (Original) The welding-type apparatus of claim 12 wherein the multifunction meter includes a plurality of digital displays to concurrently display the engine condition data and the power signal data.

16. (Original) The welding-type apparatus of claim 12 wherein the multifunction meter further comprises at least one menu selection button.

17. (Original) The welding-type apparatus of claim 12 wherein the multifunction meter is further configured to display an auxiliary receptacle condition.

18. (Original) The welding-type apparatus of claim 12 wherein the multifunction meter is further configured to display at least one of a user identity data, a software version data, a unit identity data, and an error code data.

19-25 (Canceled)

26. (Original) A welding-type apparatus comprising:
a power source configured to generate electrical power suitable for welding processes;
an engine configured to provide mechanical power to the power source;
a single set of meters to display volts and amps of the electrical power; and
means for on demand displaying of engine condition data on the single set of meters.

27. (Original) The welding-type apparatus of claim 26 wherein the engine condition data includes at least one of hours of operation, RPM, oil level, and engine temperature.

28. (Original) The welding-type apparatus of claim 26 wherein the means for displaying on demand engine condition data further comprises means for selecting which data is displayed.

29. (Original) The welding-type apparatus of claim 26 further comprising a torch and workpiece cable electrically connectable to the power source.

30. (Original) The welding-type apparatus of claim 26 wherein the means for displaying on demand engine condition data further comprises means for displaying auxiliary outlet signal data.

31. (Original) The welding-type apparatus of claim 26 wherein the means for displaying on demand engine condition data further comprises means for displaying at least one of a unit identity data, a user identity data, a program identity data, and an error code data.